SPF WATER
ENGINEERING, LLC

RECEIVED
JAN 11 2011
WATER RESOURCES
WESTERN REGION

January 11, 2011

John Westra
Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082

Via hand-delivery

Re: Request to Reconsider Preliminary Order Voiding Application
Permit Application 63-33344 (ARK PROPERTIES LLC & MAYFIELD TOWNSITE LLC)

Dear Mr. Westra,

On behalf of ARK Properties LLC and Mayfield Townsite LLC, we request the Idaho Department of Water Resources reconsider its preliminary order issued December 30, 2010 in the above-captioned matter.

Upon review of our files, it is apparent the prior deadline for response was overlooked. Accompanying this letter is a response to IDWR's request for additional information regarding the application.

We apologize for any confusion or delay in this matter.

Best Regards,

Scott N. King, P.E.
Engineering Supervisor

CC: ARK Properties LLC
Mayfield Townsite LLC
Bruce Smith
Lori Graves

Enclosures

SPF Job No. 162.0080

SPF WATER
ENGINEERING, LLC

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JAN 11 2011
WATER RESOURCES
WESTERN REGION

January 11, 2011

Idaho Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

Attention: Steve Lester

Subject: Application for Permit 63-33344

Dear Steve,

On behalf of our clients, ARK Properties LLC and Mayfield Townsite LLC, this letter provides a response to your September 20, 2010 request for additional information regarding application for permit 63-33344. Before I get into those details, some explanation of the intents of this application may be helpful.

Two irrigation wells were constructed on the project property, one in 2007 and the second in 2008, under authorization of permit 63-12447. Test pumping demonstrated capacities of 3.8 cfs (Well #1) and 4.5 cfs (Well #2) for a total capacity of approximately 8.3 cfs. Permit 63-12447 authorizes 4.0 cfs. Two hundred acres of irrigated agriculture were developed in 2007 and irrigation has continued every year. Since that time, water level measurements collected from wells within the project property have indicated very little, if any, decline over this four-year period as presented later in this letter.

On July 27, 2006, Mayfield Townsite filed application for permit 63-32499 seeking 10 cfs of ground water for municipal uses. This application is one of the earlier of the "recent" applications for new ground water development along the I-84 corridor. Mayfield Townsite is currently proceeding through the Elmore County Planning and Zoning process to gain approval for the planned community. A ground-water supply evaluation report supporting this application was prepared by SPF Water Engineering and provided to IDWR in support of this application[1]. This report estimated an average annual recharge to aquifers in the Mayfield Townsite property area of

[1] Petrich, Christian R., 2007. Ground-Water Supply Evaluation for the Mayfield Townsite Property. SPF Water Engineering, LLC, November 1, 2007.

approximately 6,000 to 31,590 acre feet per year. Estimated current and permitted ground-water withdrawals (excluding 63-12447) are approximately 2,600 feet per year. Assuming a consumptive use of 500 acre-feet for the 200 acres irrigated with 63-12447 (2.5 acre-feet per acre), total estimated withdrawals are 3,100 acre feet. Thus, the average annual volume of water likely available for appropriation in the Mayfield Townsite area ranges from approximately 2,900 to 28,500 acre feet. The total net consumptive use for the planned municipal development is projected at 3,960 acre feet for 8,000 dwelling units, a value which includes water use authorized under permit 63-12447.

Application 63-33344 proposes to develop 9 cfs for 475 acres of new irrigated agriculture. Consumptive crop water requirements in this area range from about 2 to 3 acre-feet per acre, with total consumption estimated at 1,188 acre feet annually for an average consumptive use of 2.5 acre-feet per acre. This quantity is less than half of the lower estimate of water available for appropriation, and approximately half of the projected consumptive use for the proposed municipal development project at 8,000 units.

There are risks inherent with construction of a large-scale residential development project like that proposed by Mayfield Townsite. One such risk is the possibility of insufficient water supplies. Water supply data in the Mayfield Townsite area are limited. The applicants believe that the most accurate and efficient means of determining sufficiency of supply for the residential development is to develop and pump ground water now and use it for irrigated agriculture. Water levels will be monitored and data gathered to identify supply limitations and affects on other water users. In the unlikely case that significant water-level declines develop and supplies are proved insufficient for the irrigation project, curtailment of irrigation diversions are possible and will be less problematic than curtailing a municipal supply.

We recognize that water supplies in this area are not unlimited and that aquifer declines could possibly result if all pending applications in the I-84 corridor were fully developed as proposed. However, given the fact that some projects may not go forward or will not be fully developed, we believe that this is an acceptable application.

Of the proposed 9 cfs of new appropriation, we expect surplus capacity from the two existing well will supply approximately 4.3 cfs with one or more additional wells providing the balance. An amended application is provided, which adds several locations for additional wells (original signed versions are forthcoming).

I will now turn to responding to your request for additional information.

General Information

- Map – We inadvertently excluded a map with the initial application. A map is included which shows the current and proposed points of diversion.

- Water Bearing Zone – The water-bearing zone for existing Well #1 is from approximately 432 to 622 feet below ground surface, and for existing Well #2 is from approximately 602 to 792 feet below ground surface. We anticipate that future wells will have similar water bearing zones. The amended application lists proposed well depths of 850 feet.

- Diversion Rate – The capacity developed for 63-12447 is 5.12 cfs. The capacity of the existing system was not limited by well productivity, but rather by installed pump and system capacity. The well test data supports increased pumping capacity from the existing wells up to approximately 8.3 cfs. Pumping capacity can be increased in one or both of the current wells. Additional wells are proposed to meet the full proposed diversion rate.

Technical Information

1. Demonstration of an adequate, sustainable ground water supply.

The ground-water supply evaluation referenced above (Petrich, 2007) provides a technical analysis of the estimated ground water availability with a range of 3,400 to 29,000 acre-feet per year. While we agree the estimated range is broad and many uncertainties exist, water level data are supportive. IDWR reviewed and responded to SPF's 2007 report[1][2]. SPF responded to IDWR's memo for Elk Creek Village application 61-12090 with recommendations that would generally be applicable to Mayfield Townsite[3].

The two irrigation wells have been producing for the past three to four seasons. Irrigation Well #1 began production in 2007; Irrigation Well #2 began production mid-way through the 2008 irrigation season.

[1] Owsley, Dennis and Sean Vincent, 2009. Memorandum to Steve Lester re: Evaluation of SPF Report entitled *Ground-Water Supply Evaluation for the Mayfield Townsite Property*, February 10, 2009.

[2] Tesch, Craig and Sean Vincent, 2009. Memorandum to Gary Spackman re: Evaluation of aquifer recharge in areas of planned community applications along the I-84 corridor from Boise to Mountain Home, February 24, 2009.

[3] Petrich, Christian and Jennifer Sukow, 2009. Memorandum to Norm Semanko re: Response to IDWR memos regarding aquifer recharge along I-84 corridor from Boise to Mountain Home.

Water levels in four wells are reported in Table 1 and graphed in Figure 1. The two irrigation wells are those mentioned above. An unused deep well is located near the two irrigation wells and is reported to be 1300-ft deep. The Stock Well is located about 725 feet southwest of Irrigation Well #2 (see Figure 2 for locations of these wells). These observations indicate relatively stable aquifer systems. In Irrigation Well #1, levels measured on October 28, 2010 were similar to levels observed in January 2007 after well completion, and also similar to levels measured after the irrigation season in November 2008. In Irrigation Well #2, the levels measured on October 28, 2010 were higher than any previously measured. Water levels in the 1300-ft Unused Well are exhibiting a slight decline over the period of observations. Water levels in the shallower aquifer system supplying the stock well appear stable as the October 28, 2010 levels are similar to previous measurements.

Date	Irrigation Well #1 RP = 3490 ft		Irrigation Well #2 RP = 3560 ft		1300-ft Unused Well RP = 3510 ft		Stock Well RP = 3550 ft	
	DTW	WSE	DTW	WSE	DTW	WSE	DTW	WSE
1/19/2007	243.0	3247.0						
1/22/2007	238.0	3252.0			174.7	3335.3		
1/23/2007	229.0	3261.0						
4/14/2008	233.3	3256.7			172.9	3337.1	110.1	3439.9
4/29/2008	355.0	3135.0			174.4	3335.6	94.9	3455.1
5/2/2008	243.6	3246.4			174.8	3335.2		
7/9/2008	301.0	3189.0	274.2	3285.8	174.9	3335.1	74.0	3476.0
9/26/2008	260.0	3230.0	330.0	3230.0	175.2	3334.8	72.8	3477.2
11/5/2008	242.0	3248.0	301.7	3258.3	174.9	3335.1	71.9	3478.1
7/28/2010					176.0	3334.1	73.6	3476.4
10/28/2010	239.0	3251.1	269.9	3290.1	176.5	3333.6	72.5	3477.5

Table 1: Water level data for four Mayfield Townsite wells. Pumping levels are highlighted with gray shading. Water surface elevations are based on approximating well head elevation per 7.5-minute USGS Quadrangle maps. All values in feet.

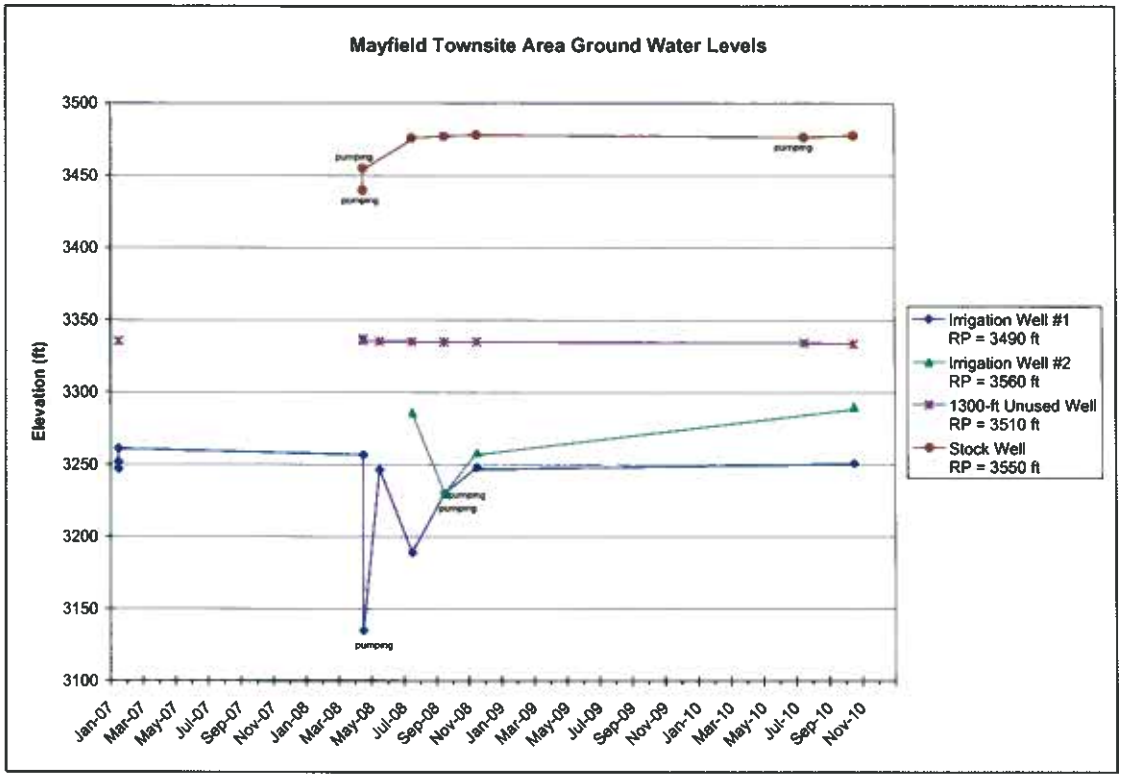


Figure 1: Water level data.

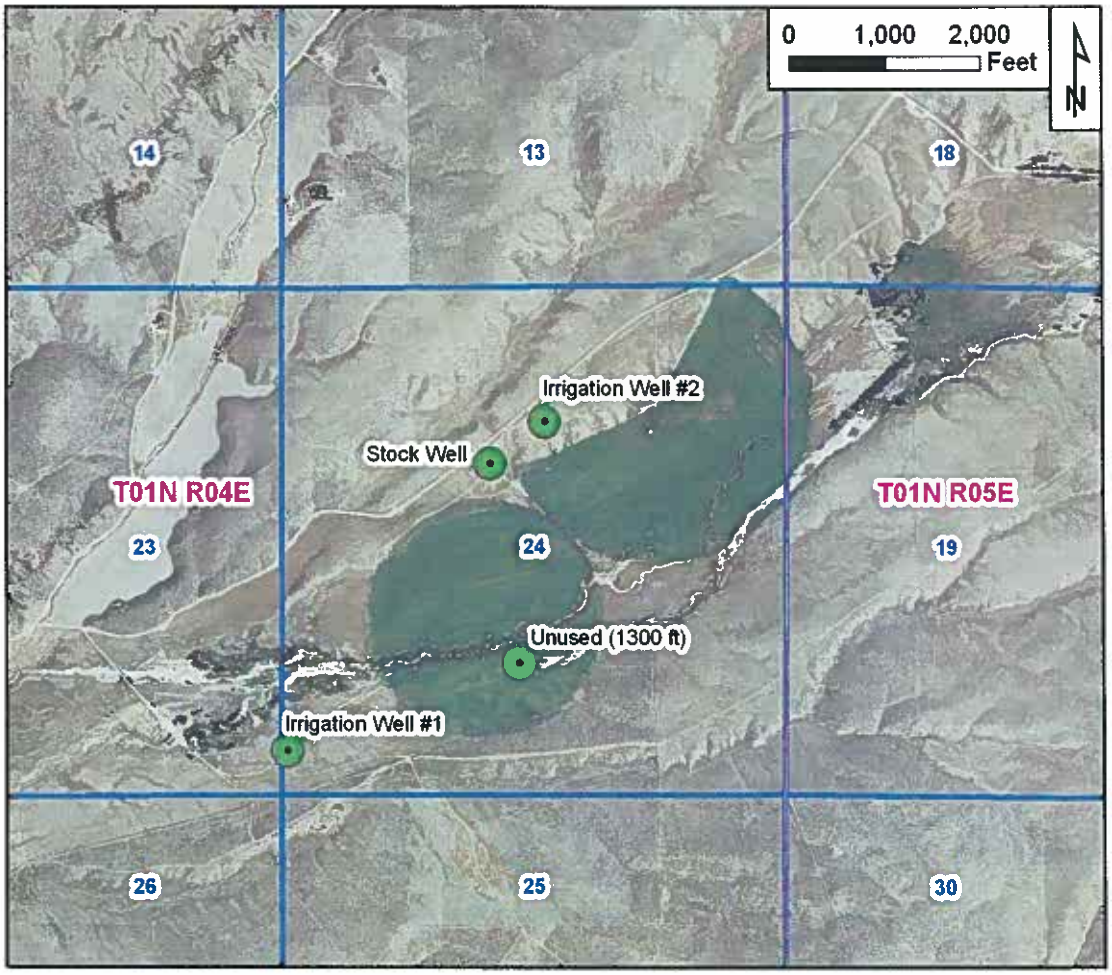


Figure 2: Location map of wells listed in Table 1 and Figure 1.

The applicants are coordinating with IDWR to monitor water levels on the project site. In July 2010, Craig Tesch (IDWR) and I installed water-level logging instruments in four unused wells (see Figure 3). Data were collected from the loggers on October 28, 2010. Daily average hydrographs for these wells are included in Attachment 2. Levels were relatively stable with fluctuations of less than one foot except for the Transfer Camp Well, which exhibited a decline of about four feet over the observation period. We expect this decline is a normal seasonal fluctuation and not due to pumping of the irrigation wells as the decline is not exhibited in the other hydrographs. Data collection and reporting are expected to continue on a quarterly basis.

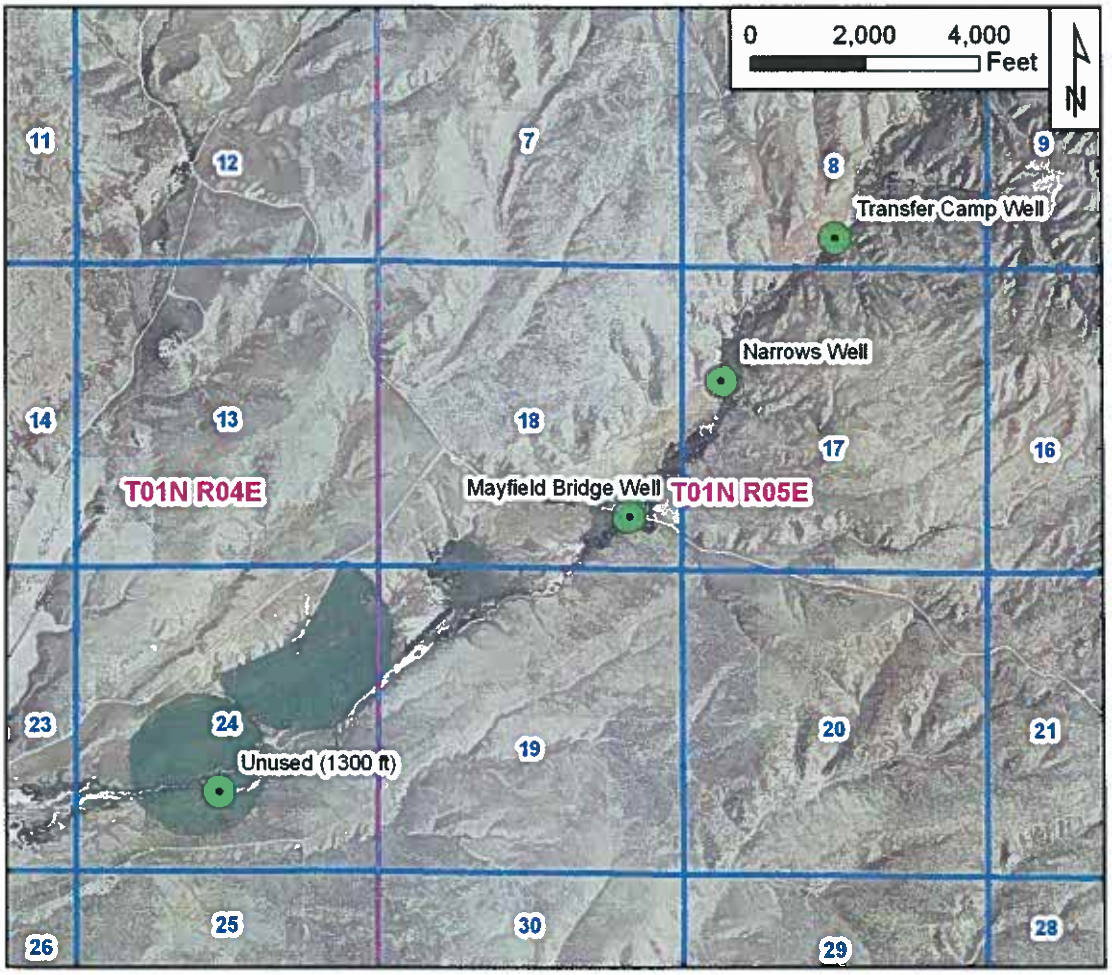


Figure 3: Level loggers are installed in four wells.

A ground-water supply evaluation report was submitted to IDWR on behalf of Mayfield Townsite in 2007[1]. This report estimated an average annual recharge to aquifers in the Mayfield Townsite property area of approximately 6,000 to 31,590 acre feet per year. Estimated current and permitted ground-water withdrawals (excluding 63-12447) are approximately 2,600 feet per year. Assuming a consumptive withdrawal use of 500 acre-feet for the 200 acres irrigated with 63-12447 (2.5 acre-feet per acre), total estimated withdrawals are 3,100 acre feet. Thus, the estimated average annual volume of water available for appropriation ranges from approximately 2,900 to

[1] Petrich, Christian R., 2007. Ground-Water Supply Evaluation for the Mayfield Townsite Property. SPF Water Engineering, LLC, November 1, 2007.

28,500 acre feet. Application 63-33344 proposes development of 9 cfs for 475 acres of new irrigated agriculture. Consumptive crop water requirements in this area range from about 2 to 3 acre feet per acre, with total consumption estimated at 1,188 acre feet annually based an average consumptive use of 2.5 acre-feet per acre. This additional projected use is less than half of the lower estimate of water available for appropriation, and approximately half of the projected consumptive use for the proposed municipal development project at 8,000 units.

The combination of stable water levels over several years of pumping coupled with projected new use that is less than half of the lower estimated value of available recharge demonstrates a high likelihood of an adequate, sustainable ground water supply.

2. Demonstrate the proposed use of ground water will not result in further ground water level declines in the nearby Mtn. Home Ground Water Management Area and the Cinder Cone Butte Critical Ground Water Area.

SPF's 2007 Ground-Water Supply Evaluation for the Mayfield Townsite Property addressed potential impacts on Mountain Home GWMA (see section 4.3. on page 29). This report found that hydrographs for three wells near the Mayfield Townsite property have been stable or rising since the 1960s.

A map and hydrographs for wells with recent water level measurements published on IDWR's hydro.online ground water level database in the vicinity of Mayfield Townsite are included in Attachment 3. Ground-water levels in deeper wells surrounding the Mayfield Townsite area continue to exhibit stable, or in some cases increasing, ground water levels. These include 01N04E-27AC1, 01N04E-28CAC1, 01N04E-32AB1, 01S04E-03ADD1 and 01S04E-10DAD1. Two shallower wells, 01N04E-27AC2 and 01N04E-32AA1 have exhibited declines that are not consistent with the levels in the nearby deeper wells and may be pumping from perched aquifer systems that are likely not in direct hydraulic connection with the deeper regional system. Hydrographs for well 01S04E-30AAC1 demonstrate several feet of increasing water levels from 1980 to 2000 with a subsequent declining trend from 2000 to 2010. This well is over seven miles southwest of the Mayfield Townsite wells and the declining trend has not been identified in other wells closer to Mayfield Townsite. Stable (or in some cases increasing) ground water levels in the Mayfield Townsite area suggest (1) the availability of water for appropriation in this portion of the Mountain Home Ground Water Management Area and (2) the lack of impact to Mayfield area water levels resulting from approximately 40 years of pumping in the Cinder Cone Butte Critical Ground Water Area. The lack of impact in Mayfield from long-term Cinder Cone Butte pumping suggests that pumping at Mayfield should not have a corresponding impact at Cinder Cone Butte.

Water has been pumped from one or both Mayfield Townsite wells for irrigation of 200 acres since 2007. Water levels in these wells have exhibited seasonal declines, but levels have generally returned close to pre-pumping levels at the end of the irrigation pumping season.

3. Discuss plans to monitor and report data about ground water supply, ground water levels, and ground water quality in and around the project area if this application is approved and development proceeds.

The applicants are currently cooperating with IDWR and the USGS with monitoring projects. Four unused wells have been instrumented with water level loggers. The applicants are maintaining this equipment at their cost and providing data to IDWR. Water levels in the two irrigation wells and the stockwater well near Irrigation Well #2 have been measured and the data is presented in Figure 1 and Table 1. Applicants have cooperated with the USGS on installation of a streamflow station on Indian Creek at Mayfield Bridge.

Upon completion of irrigation well construction in 2007 and 2008, water samples were collected and sent to a laboratory for analysis. Water quality was generally excellent. Laboratory analysis reports can be made available upon request.

The applicants propose the following if the application is approved:

- Continue participating with current IDWR monitoring efforts by maintaining level logging instruments and providing data to IDWR on a quarterly basis.
- Measure water levels in Irrigation Well #1, Irrigation Well #2, and the stockwater well near Irrigation Well #2 at least twice yearly (spring and fall) and provide the data to IDWR. This data collection will also be implemented for new wells constructed under the application and put into service.
- Continue participating with the USGS on the streamflow gage at Indian Creek near Mayfield.
- If requested, provide access to wells owned by the applicants for IDWR to collect water samples for laboratory testing.

4. For Rule 40.05.g information regarding local public interest, describe the applicants' progress with any required local government approvals.

We have contacted Elmore County Planning and Zoning office, and that office advised us that they do not require any additional permitting to develop the proposed irrigation project.

5. Individual and cumulative effects: Provide Rule 40.05.cii-ciii information and above items 1 and 2 information with respect to the following: effects from this application, and cumulative effects from this application plus all the projects senior in priority to 63-33344 as shown in the enclosed table.

The previously mentioned Ground-Water Supply Evaluation provides estimates for recharge available for diversion at the Mayfield Townsite area. The quantity proposed for use by this application is less than the lower end of the range of estimated recharge. We believe that sufficient recharge in the Mayfield Townsite area is available to supply the proposed application without injury to existing users.

The irrigation use proposed by this application can be curtailed without significant impact to the public (i.e., compared to curtailment of municipal water diversions). The applicant is aware of potential water supply limits in this area, yet recognizes the most practical and surest way to assess those limits is through pumping and monitoring.

We also recognize that senior applications may not be fully developed. If these applications do become fully developed, we recognize the potential for curtailment if significant water level declines occur, thereby injuring senior water right holders.

Please contact me if you have any questions regarding this analysis.

Sincerely,

Scott N. King, P.E.
Supervising Engineer

Enclosures: Amended Application for Permit
Hydrographs of four monitoring wells at Mayfield Townsite
Hydrographs of hydro.online monitoring wells in the vicinity of Mayfield Townsite

cc: ARK Properties, LLC
Mayfield Townsite, LLC
Bruce Smith

File: 162.0080

ATTACHMENT 1
AMENDED APPLICATION FOR PERMIT

FORM 202 03/10 Print form as a 2 page, single-sided document

RECEIVED

JAN 11 2011

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Ident. No. _____

AMENDED

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant(s) ARK PROPERTIES, LLC and MAYFIELD TOWNSITE, LLC Phone 336-7931 / 850-9654
   Name connector (check one): ☑ and ☐ or ☐ and/or
   Mailing address: 11204 N. Bar 21 Dr. / PO Box 1359 City Glenns Ferry / Caldwell
   State ID Zip 83623-5033 / 83606 Email: _____
2. Source of water supply Ground Water which is a tributary of _____
3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
1N	4E	24			SW	NE	Ada	Ground Water	D0052697
1N	4E	24			SW	SW	Ada	Ground Water	D0047651
1N	5E	18			SE	SW	Ada	Ground Water	proposed
1N	5E	18			NE	SE	Ada	Ground Water	proposed

additional points: 1N 5E 18 NWSE, SWSE, SESE

4. Water will be used for the following purposes:
   Amount 9 cfs (cfs or acre-feet per year) for Irrigation purposes from 3/15 to 11/15 (both dates inclusive)
   Amount _____ (cfs or acre-feet per year) for _____ purposes from _____ to _____ (both dates inclusive)
   Amount _____ (cfs or acre-feet per year) for _____ purposes from _____ to _____ (both dates inclusive)
   Amount _____ (cfs or acre-feet per year) for _____ purposes from _____ to _____ (both dates inclusive)
5. Total quantity to be appropriated is (a) 9 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).
6. Proposed diverting works:
   a. Describe type and size of devices used to divert water from the source. Two existing wells and one or more new wells, pumps and mainlines to sprinkler irrigation system.
   b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.
   For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No
   c. Proposed well diameter is 16 inches; proposed depth of well is 850 feet.
   d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☑ No
   e. If well is already drilled, when? 2007 & 2008; drilling firm Riverside Drilling;
   Well was drilled for (well owner) Applicant; Drilling Permit No. 843964 & 851081.
7. Description of proposed uses (if irrigation only, go to item 8):
   a. Hydropower; show total feet of head and proposed capacity in kW. _____
   b. Stockwatering; list number and kind of livestock. _____
   c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____
   d. Domestic; show number of households _____
   e. Other; describe fully. _____

8. Description of place of use:

   a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

   b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	4E	13																5	5
		24	39	21	40	40	1		7	29	40	40	40	40	40	40	40	40	497
1N	5E	18											36	40	38	19	40	40	213
		19	40	40	40	40	40	42	42	40	40	42	43	40		40	40		569

Total number of acres to be irrigated: 475 acres within a 1,284-acre place of use

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? Existing development under Permit 63-12447 includes irrigation within the place of use (above). This application is for irrigation of 475 acres that are not irrigated with Permit 63-12447. Continued at 11, below.

10. a. Who owns the property at the point of diversion? Applicants

    b. Who owns the land to be irrigated or place of use? Applicants

    c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing:

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Ground water irrigation of 475 acres within a 1,284-acre place of use. The acres proposed for development by this application will be separate from acres already developed under permit 63-12447, which provide a full supply of water for 200 acres.

    Item 9, continued: Since the license for permit 63-12447 is pending, the place of use developed under the permit has not been excluded from the place of use identified in item 8. The places of use for decreed right no. 63-2046 and claimed right no. 63-2654 partially overlap the place of use proposed above in 8.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

Signature of Applicant

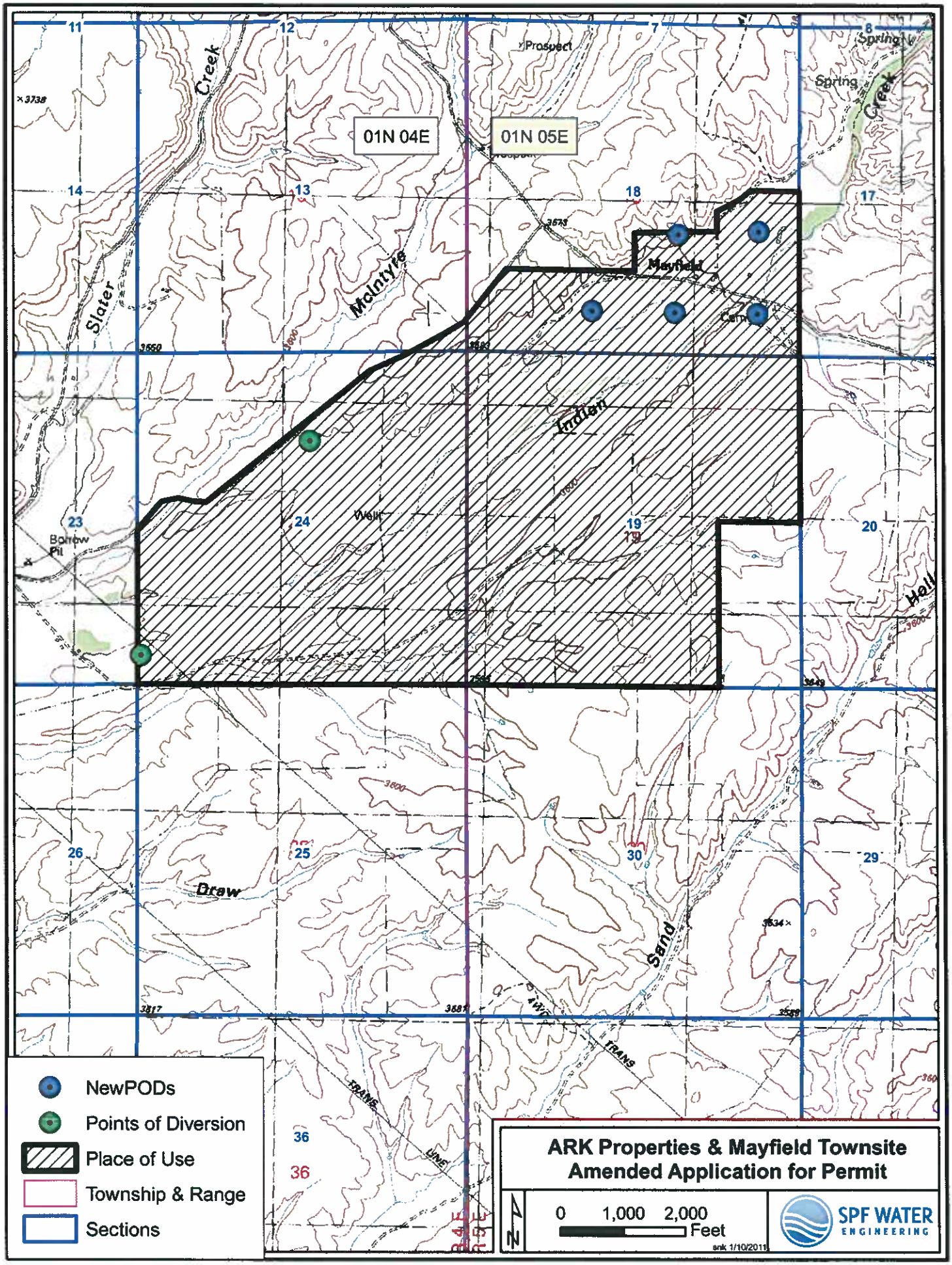
Print Name (and title, if applicable)

Print Name (and title, if applicable)

For Department Use:

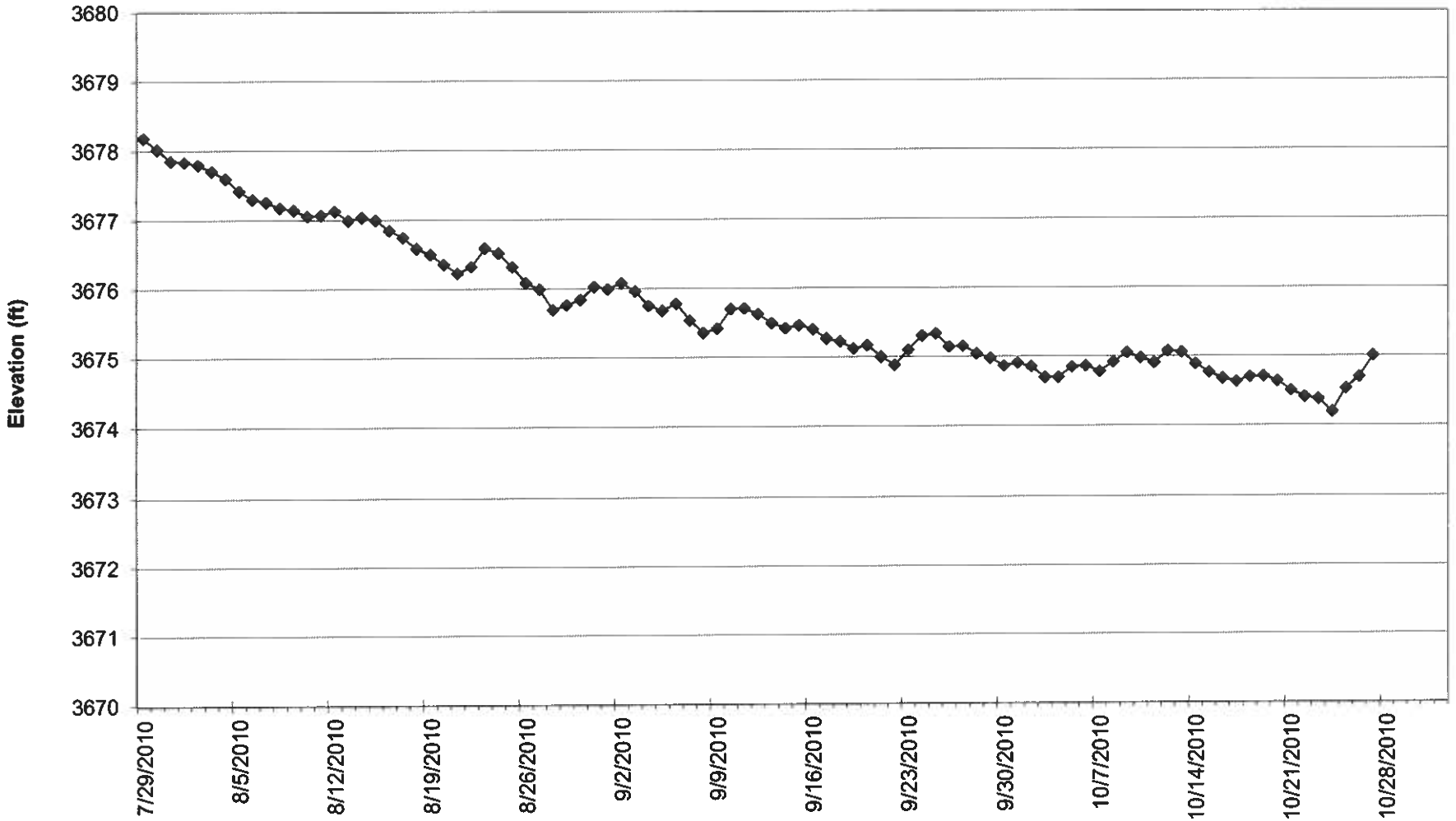
Received by SB Date 1-11-2011 Time 2:30 SB Preliminary check by

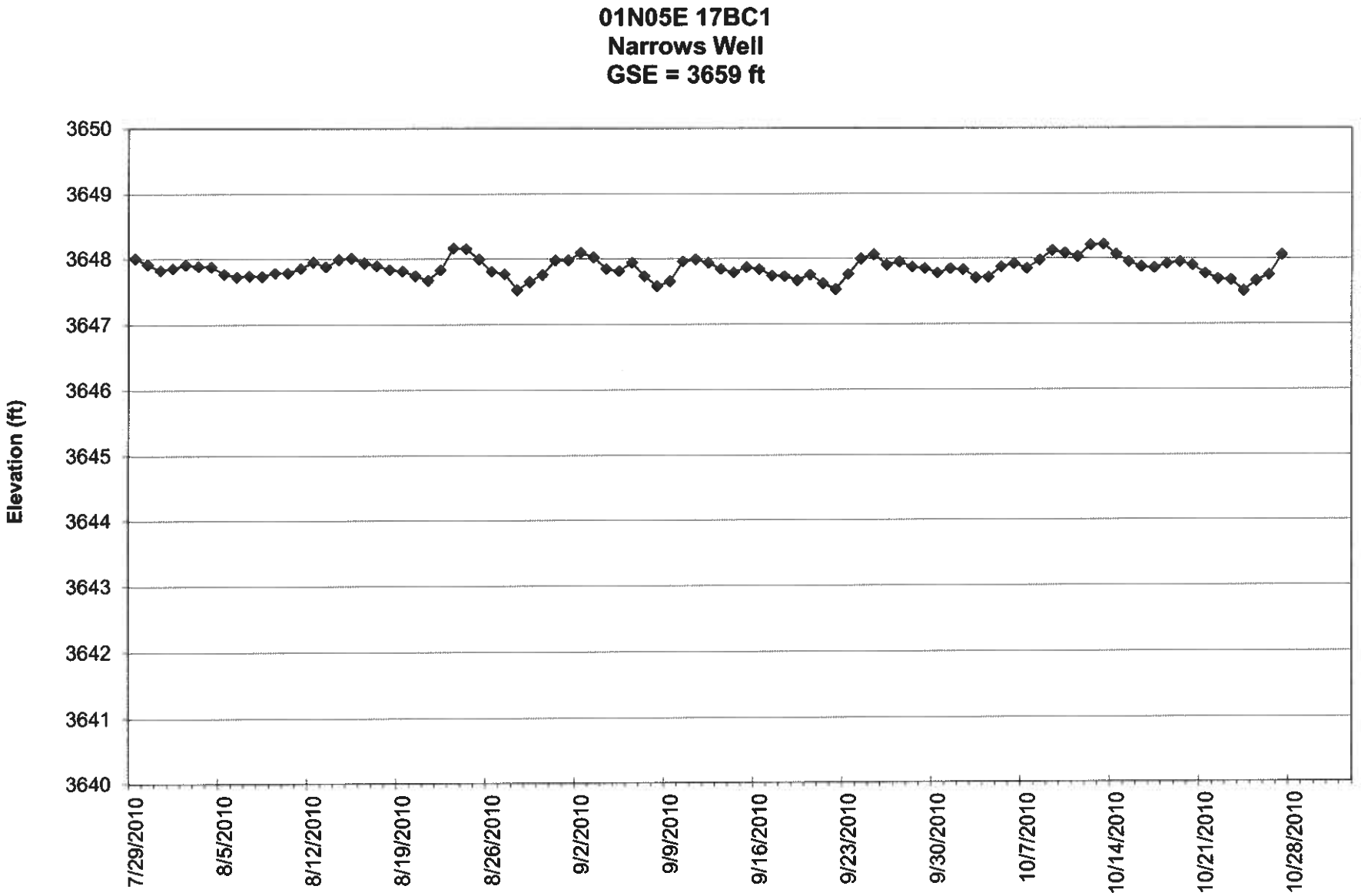
Fee $ Receipted by Receipt No. Date


01N 04E
01N 05E
Slater Creek
McIntyre
Mayfield
Indian
Draw
Sand
Spring Creek
Prospect
Barrow Pit
Well
NewPODs
Points of Diversion
Place of Use
Township & Range
Sections
ARK Properties & Mayfield Townsite
Amended Application for Permit
0 1,000 2,000
Feet
N
SPF WATER ENGINEERING
snk 1/10/2011

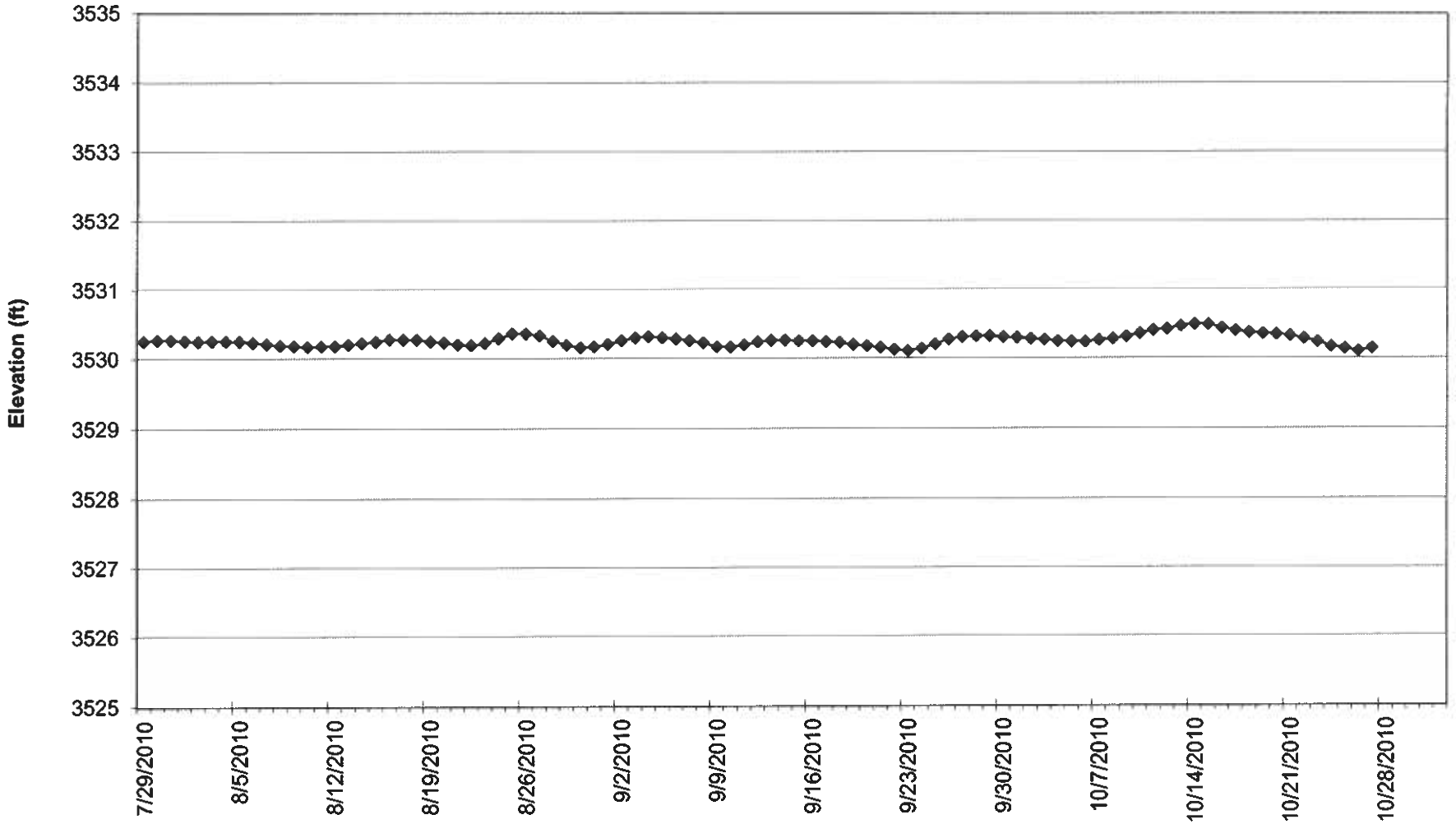
ATTACHMENT 2
MONITORING WELL HYDROGRAPHS

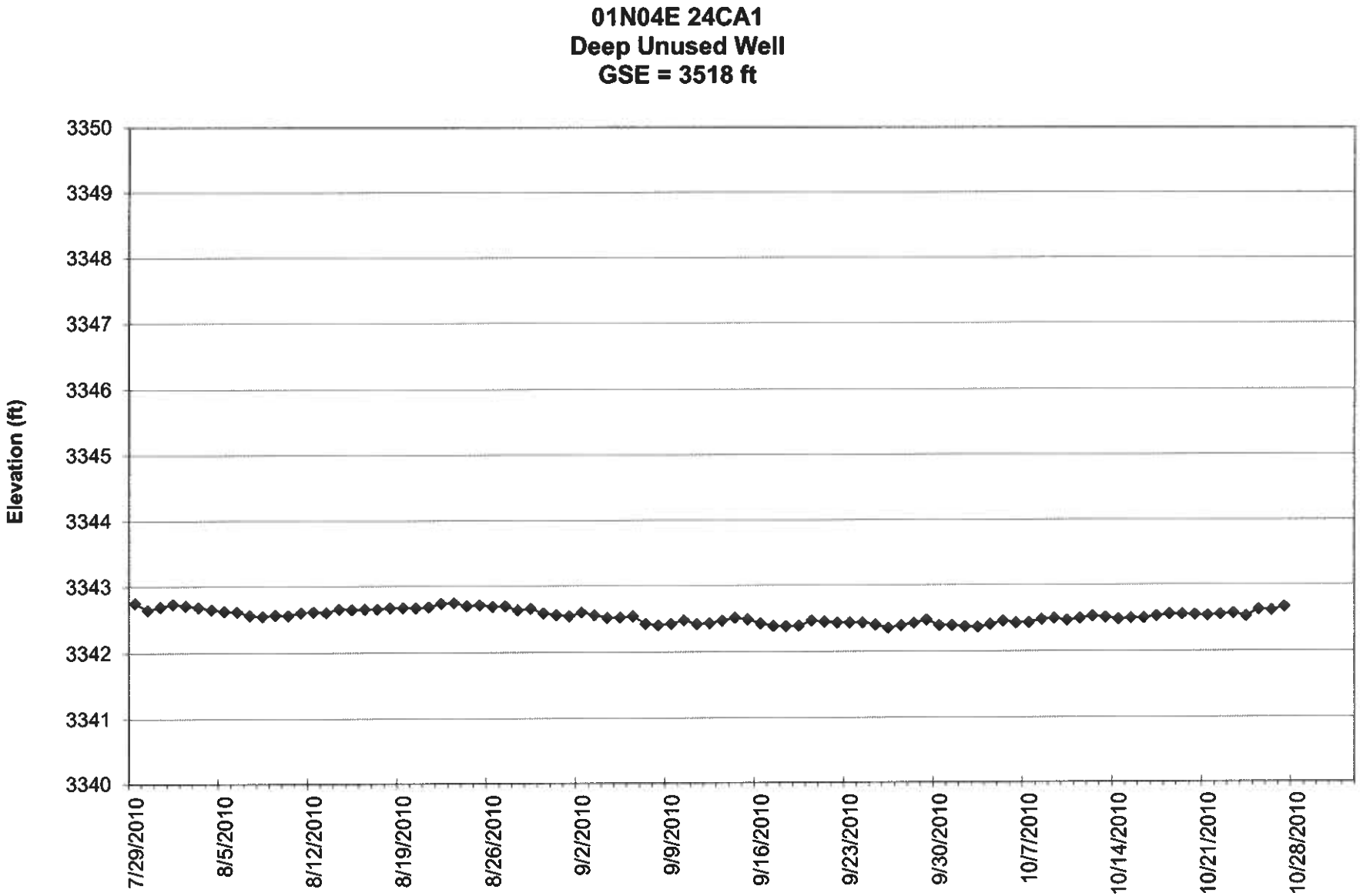
01N05E 08CD1
Transfer Camp Well
GSE = 3688 ft




01N05E 17BC1
Narrows Well
GSE = 3659 ft
Elevation (ft)
3650
3649
3648
3647
3646
3645
3644
3643
3642
3641
3640
7/29/2010
8/5/2010
8/12/2010
8/19/2010
8/26/2010
9/2/2010
9/9/2010
9/16/2010
9/23/2010
9/30/2010
10/7/2010
10/14/2010
10/21/2010
10/28/2010

01N05E 18DD1
Mayfield Bridge Well
GSE = 3605 ft




01N04E 24CA1
Deep Unused Well
GSE = 3518 ft
Elevation (ft)
3350
3349
3348
3347
3346
3345
3344
3343
3342
3341
3340
7/29/2010
8/5/2010
8/12/2010
8/19/2010
8/26/2010
9/2/2010
9/9/2010
9/16/2010
9/23/2010
9/30/2010
10/7/2010
10/14/2010
10/21/2010
10/28/2010

ATTACHMENT 3
HYDROGRAPHS
HYDRO.ONLINE MONITORING WELLS IN THE VICININTY OF MAYFIELD TOWNSITE

HYDRO.ONLINE Monitoring Wells in the Vicinity of Mayfield Townsite Irrigation Wells

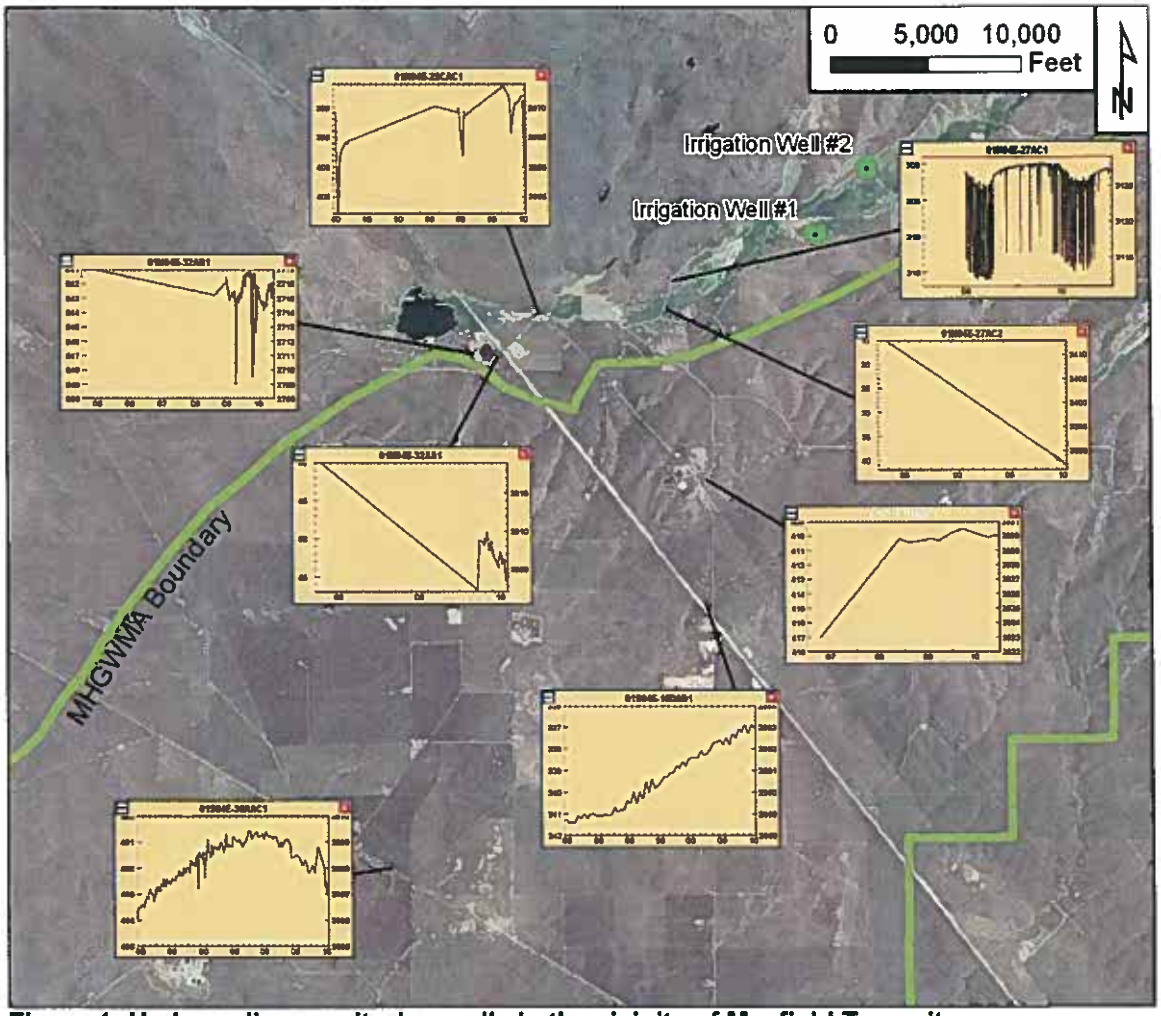
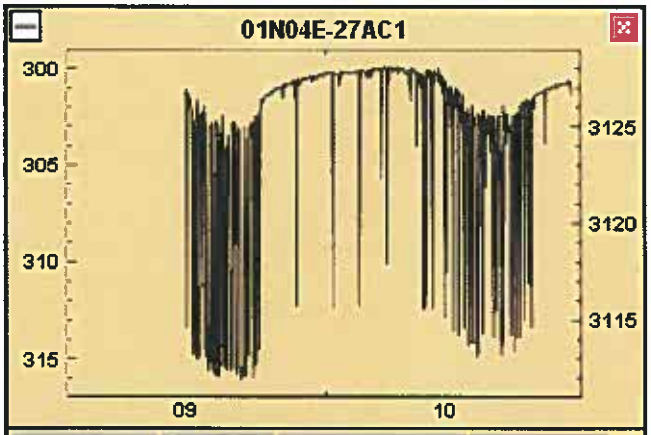
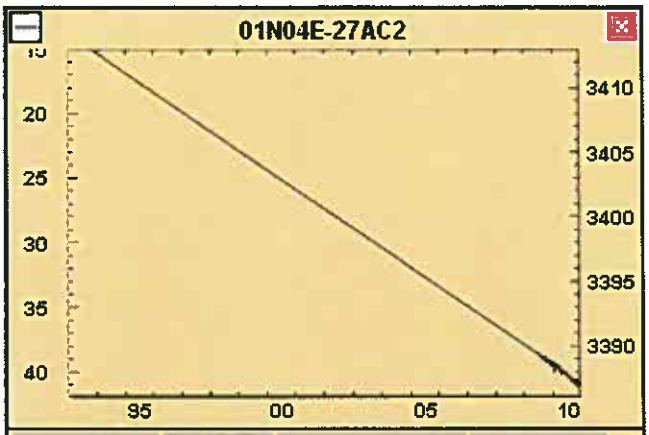


Figure 1: Hydro.online monitoring wells in the vicinity of Mayfield Townsite.



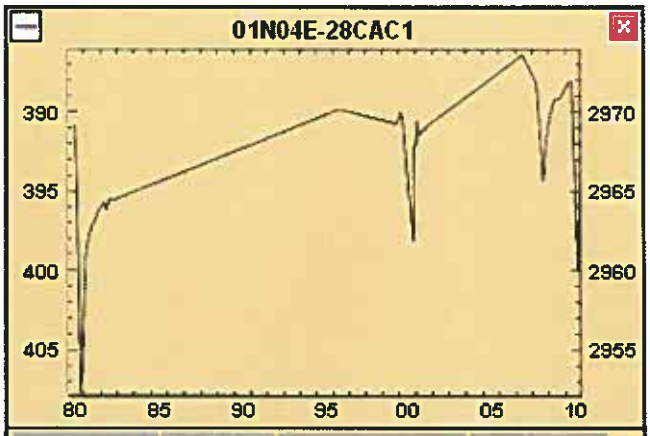
Recording Date	Depth To Water (feet)	Site Status	Recording Agency
12/04/2010	300.8		IDWR
12/05/2010	300.8		IDWR
12/06/2010	300.8		IDWR
12/07/2010	300.7		IDWR
12/08/2010	300.8		IDWR
12/09/2010	300.8		IDWR
12/10/2010	300.8		IDWR
12/11/2010	300.6		IDWR
12/12/2010	300.7		IDWR
12/13/2010	300.8		IDWR
12/14/2010	300.8		IDWR
12/15/2010	300.6		IDWR
12/16/2010	301.4		IDWR

ID: 01N04E-27AC1 / Danskin Properties
Year Drilled: 1993
Min WO: 420
Max WO: 460
Total Depth: 480
LSD Elev: 3428



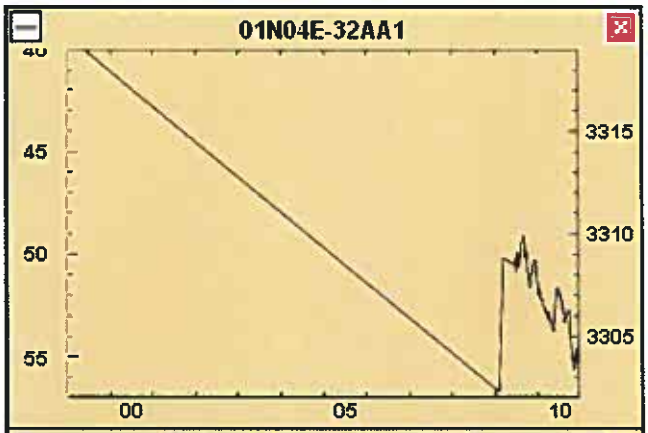
Recording Date	Depth To Water (feet)	Site Status	Recording Agency
12/04/2010	40.8		IDWR
12/05/2010	40.8		IDWR
12/06/2010	40.8		IDWR
12/07/2010	40.8		IDWR
12/08/2010	40.8		IDWR
12/09/2010	40.8		IDWR
12/10/2010	40.9		IDWR
12/11/2010	40.8		IDWR
12/12/2010	40.8		IDWR
12/13/2010	40.8		IDWR
12/14/2010	40.9		IDWR
12/15/2010	41		IDWR
12/16/2010	40.9		IDWR

ID: 01N04E-27AC2 / Danskin Properties
Year Drilled: 1993
Min WO: 28
Max WO: 68
Total Depth: 75
LSD Elev: 3428



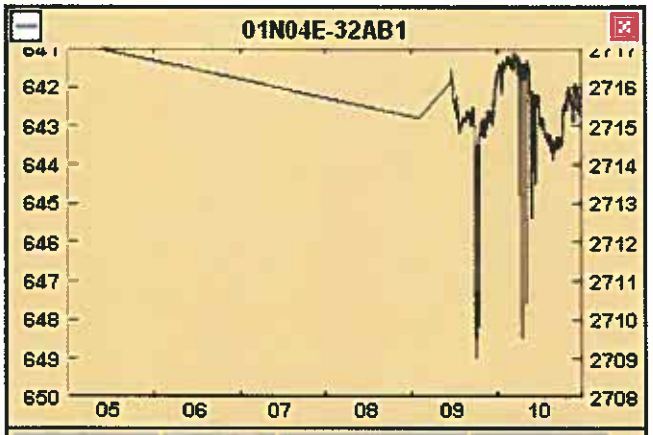
Recording Date	Depth To Water (feet)	Site Status	Recording Agency
04/10/2008	388.2		IDWR
09/04/2008	394.4		IDWR
10/28/2008	392		IDWR
01/20/2009	390.5		IDWR
03/17/2009	389.7		IDWR
05/19/2009	389.2		IDWR
07/15/2009	389.2		IDWR
09/22/2009	389.1		IDWR
01/12/2010	388.5		IDWR
03/30/2010	388.1		IDWR
06/03/2010	388.1		IDWR
10/06/2010	400		IDWR
12/16/2010	391.8		IDWR

ID: 01N04E-28CAC1 / Helmick & Johnson
Year Drilled: 1979
Min WO: 500
Max WO: 752
Total Depth: 763
LSD Elev: 3360



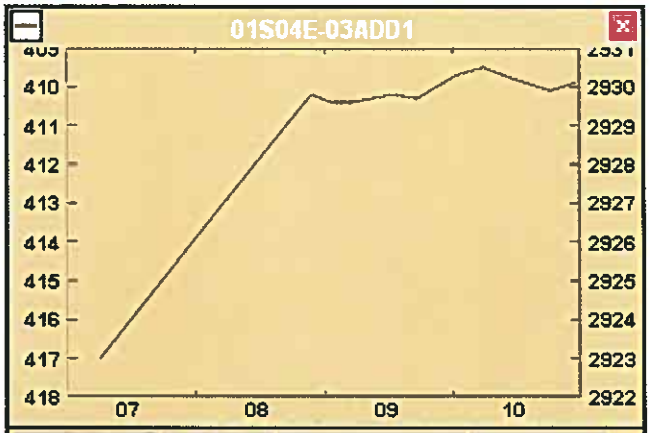
Recording Date	Depth To Water (feet)	Site Status	Recording Agency
12/04/2010	55.2		IDWR
12/05/2010	55.2		IDWR
12/06/2010	55.2		IDWR
12/07/2010	55		IDWR
12/08/2010	55.1		IDWR
12/09/2010	55		IDWR
12/10/2010	55		IDWR
12/11/2010	54.7		IDWR
12/12/2010	54.7		IDWR
12/13/2010	54.7		IDWR
12/14/2010	54.8		IDWR
12/15/2010	54.6		IDWR
12/16/2010	54.4		IDWR

ID: 01N04E-32AA1 / Boise Stage Stop
Year Drilled: 1999
Min WO: 54
Max WO: 66
Total Depth: 66
LSD Elev: 3359



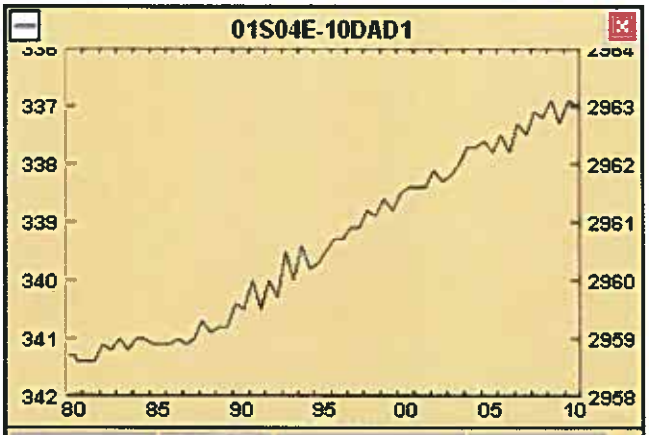
Recording Date	Depth To Water (feet)	Site Status	Recording Agency
12/04/2010	642		IDWR
12/05/2010	642		IDWR
12/06/2010	642.2		IDWR
12/07/2010	642		IDWR
12/08/2010	642.3		IDWR
12/09/2010	642.4		IDWR
12/10/2010	642.6		IDWR
12/11/2010	642.4		IDWR
12/12/2010	642.3		IDWR
12/13/2010	642.4		IDWR
12/14/2010	642.7		IDWR
12/15/2010	642.6		IDWR
12/16/2010	642.2		IDWR

ID: 01N04E-32AB1 / Boise Stage Stop
Year Drilled: 2005
Min WO:
Max WO:
Total Depth: 884
LSD Elev: 3358



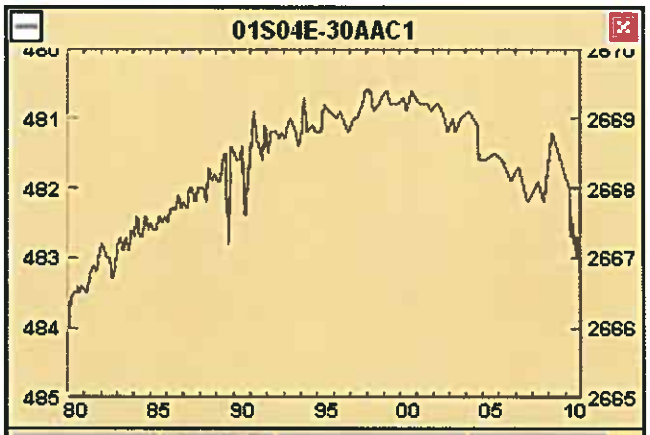
Recording Date	Depth To Water (feet)	Site Status	Recording Agency
04/04/2007	417		Driller
11/24/2008	410.2		IDWR
01/20/2009	410.4		IDWR
03/17/2009	410.4		IDWR
07/15/2009	410.2		IDWR
09/22/2009	410.3		IDWR
01/12/2010	409.7		IDWR
03/30/2010	409.5		IDWR
06/24/2010	409.8		IDWR
10/06/2010	410.1		IDWR
12/16/2010	409.9		IDWR

ID: 01S04E-03ADD1
Year Drilled: 2007
Min WO: 476
Max WO: 556
Total Depth: 556
LSD Elev: 3340



Recording Date	Depth To Water (feet)	Site Status	Recording Agency
09/29/2004	337.7		USGS
03/30/2005	337.6		USGS
09/27/2005	337.8		USGS
03/22/2006	337.5		USGS
09/27/2006	337.8		USGS
03/19/2007	337.3		USGS
09/26/2007	337.5		USGS
03/17/2008	337.1		USGS
09/18/2008	337.2		USGS
03/26/2009	336.9		USGS
09/24/2009	337.3		IDWR
04/15/2010	336.9		IDWR
10/06/2010	337		IDWR

ID: 01S04E-10DAD1
Year Drilled: 1959
Min WO: 496
Max WO: 525
Total Depth: 525
LSD Elev: 3300



Recording Date	Depth To Water (feet)	Site Status	Recording Agency
12/04/2010	482.9		IDWR
12/05/2010	482.9		IDWR
12/06/2010	483		IDWR
12/07/2010	482.9		IDWR
12/08/2010	483		IDWR
12/09/2010	482.9		IDWR
12/10/2010	483		IDWR
12/11/2010	482.9		IDWR
12/12/2010	482.9		IDWR
12/13/2010	483		IDWR
12/14/2010	483.1		IDWR
12/15/2010	483		IDWR
12/16/2010	482.7		IDWR

ID: 01S04E-30AAC1
Year Drilled: 1910
Min WO: 550
Max WO: 750
Total Depth: 750
LSD Elev: 3150